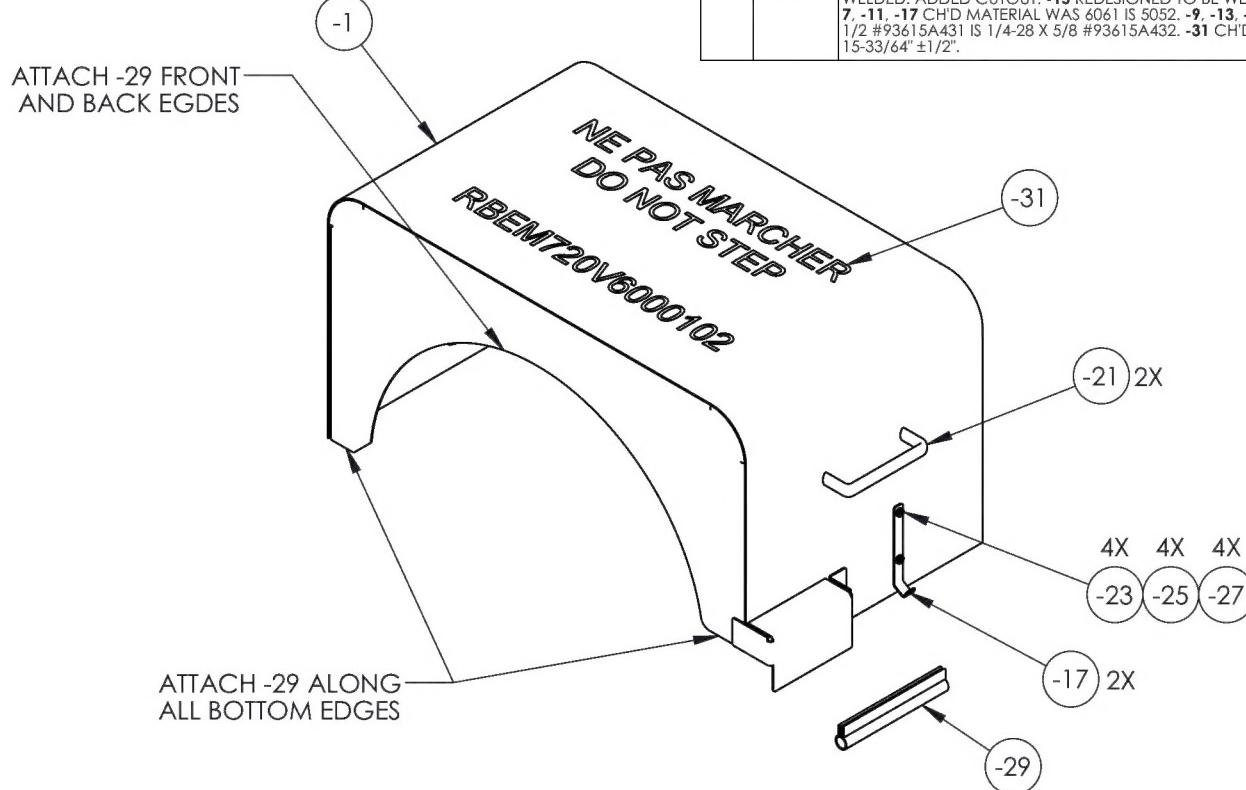


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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.			1/8/2016	RJC	JAG
2	16-0217	CH'D TOOL NAME WAS LINE MAINTENANCE TOOLING KIT IS ENGINE BLANK. -1 REDESIGNED WAS RIVETED IS WELDED, CORRECTED ORIENTATION OF -11. -3 REDESIGNED TO BE WELDED, CH'D DIMS WAS R10.65 IS 11.00, WAS 12.66 IS 12.94. -5 REDESIGNED TO BE WELDED, ADDED CUTOUT. CH'D DIMS WAS 9.49 IS 9.84, WAS 12.66 IS 12.94. -7 REDESIGNED TO BE WELDED. -11 REDESIGNED TO BE WELDED. ADDED CUTOUT. -15 REDESIGNED TO BE WELDED. WAS FORMED IS ANGLE STOCK. -3, -5, -7, -11, -17 CH'D MATERIAL WAS 6061 IS 5052. -9, -13, -19 DELETED PARTS. -23 CH'D B/O WAS 1/4-28 X 1/2 #93615A431 IS 1/4-28 X 5/8 #93615A432. -31 CH'D DIMS WAS 5.25 IS 5-1/24" ±1/2", WAS 15.16 IS 15-33/64" ±1/2".			11/10/2016	RJC	JAG



ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
X		-1	1	1	FRAME WELDMENT			2
1		-3		1	FRONT SHEET	5052		3
1		-5		1	BACK SHEET	5052		4
1		-7		1	TOP SHEET	5052		5
1		-11		1	BOX	5052		6
2		-15		1	STIFFENER	6063		7
		-17	2	1	HOOK	5052		8
B/O	-21	2	HANDLE	ALUMINUM	4-9/16 CTR-CTR W/MOUNT SCREWS (MCMASTER-CARR #1897A59)			1
B/O	-23	4	SOCKET HEAD CAP SCREW	S.S.	1/4-28 X 5/8 (MCMASTER-CARR #93615A432)			1
B/O	-25	4	FLAT WASHER	S.S.	Ø1/4 (MCMASTER-CARR #90107A029)			1
B/O	-27	4	LOCKNUT	S.S.	1/4-28 (MCMASTER-CARR #90715A130)			1
B/O	-29	A/R	EDGE GRIP	EPDM	Ø21/32 X 3/64 X 1/16 X {105in} (MCMASTER-CARR #12335A13)			1
	B/O	-31	1	EMBLEM	BLACK VINYL (SIGNS NOW)			1
ASSY -1								

NOTE:
REFERENCE AIRBUS T/N M720V6000102.

DART
AEROSPACE

TITLE
ENGINE BLANK

DWG NO.
RBEM720V6000102

REV
2

MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
X ± .1 SURFACES = 125	✓
SPEC	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:8
DATE	11/10/2016
USED ON MODEL	
H175	
SHEET 1 OF 9	

1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R

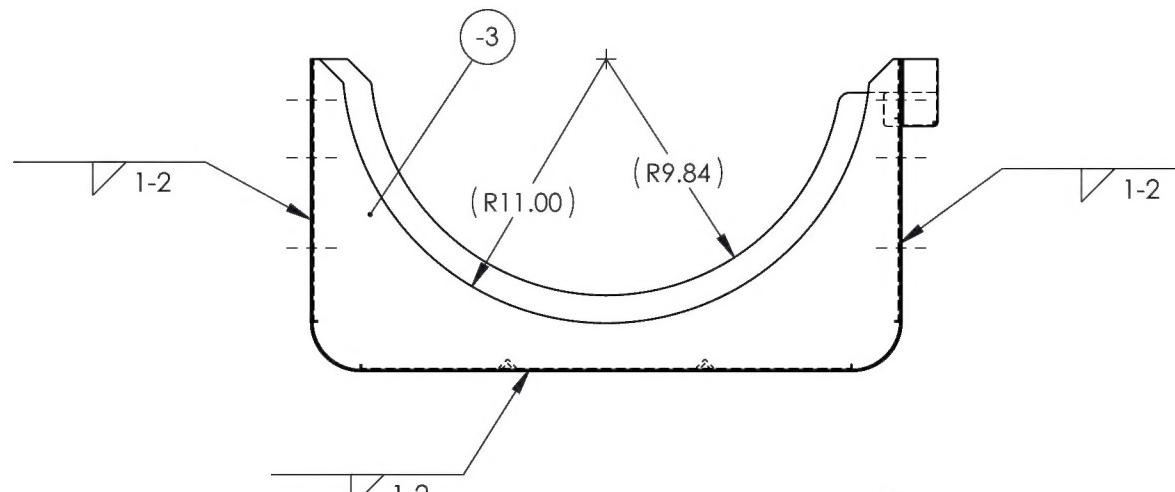
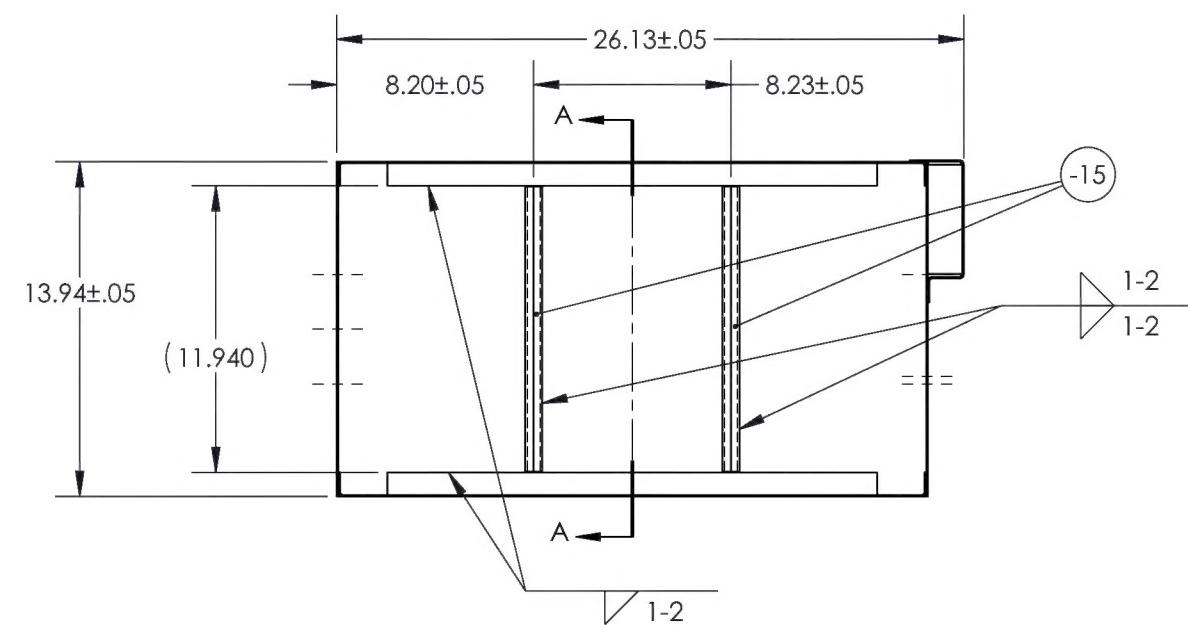
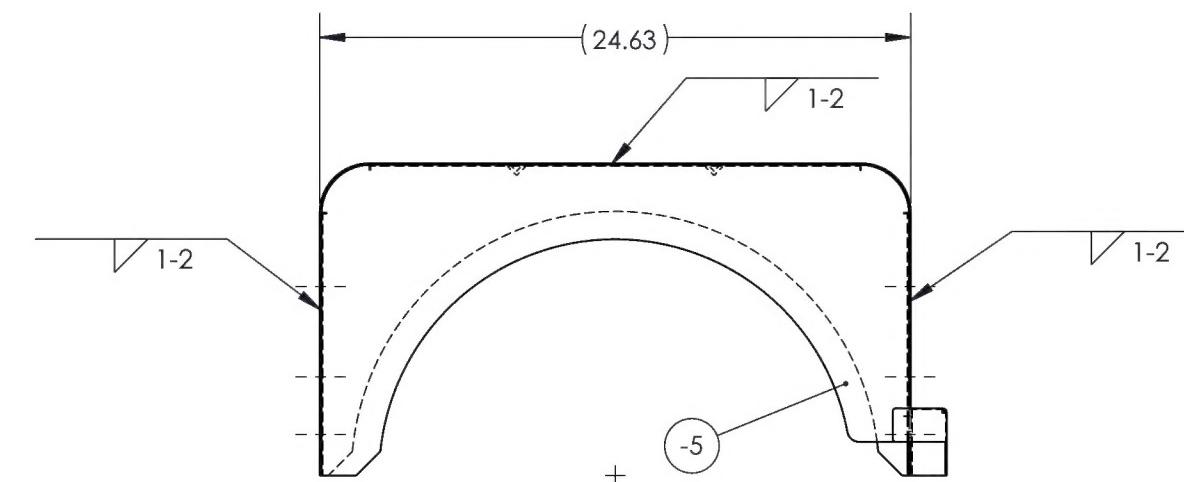
2. DIMENSIONAL LIMITS APPLY
AFTER PLATING

3. INTERPRET DIM AND TOL PER

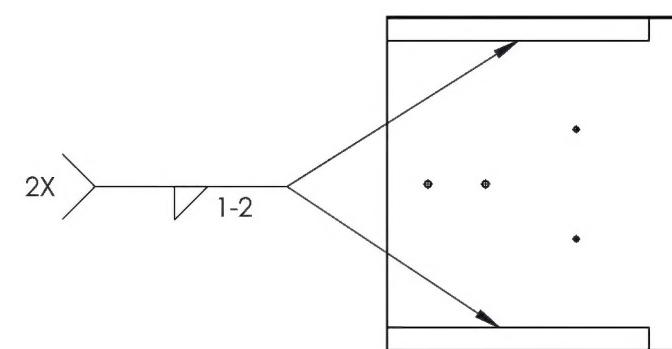
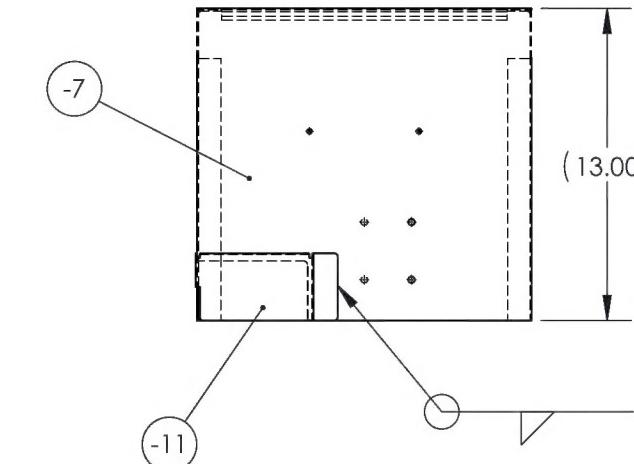
ASME Y14.5M-2009

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REV		ECR	DESCRIPTION		DATE	INITIAL	APPROVED
2	16-0217	-1	REDESIGNED WAS RIVETED IS WELDED, CORRECTED ORIENTATION OF -11.		11/17/2016	RJC	JAG



FRAME WELDMENT



SECTION A-A

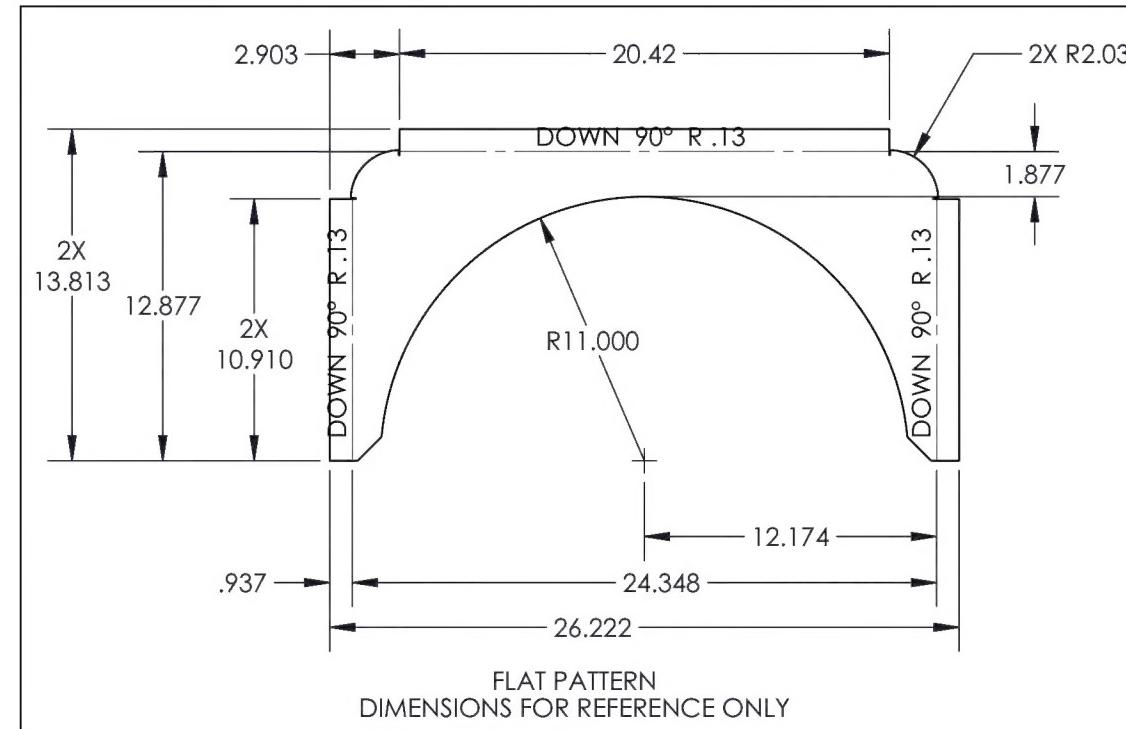
DART AEROSPACE	
TITLE	
ENGINE BLANK	
DWG NO. RBEM720V6000102-1	
REV 2	
MATERIAL	
HEAT TREAT	
FINISH POWDER COAT YELLOW	
SPEC FED #13538	
DRAWN BY: CLOUGH	
CHECKED: DUERFELDT	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:8	DATE 11/10/2016
SHEET 2 OF 9	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .010 FRACTIONS ± 1/8
.XX ± .03 ANGLES ± 1°
X ± .1 SURFACES = 125/V

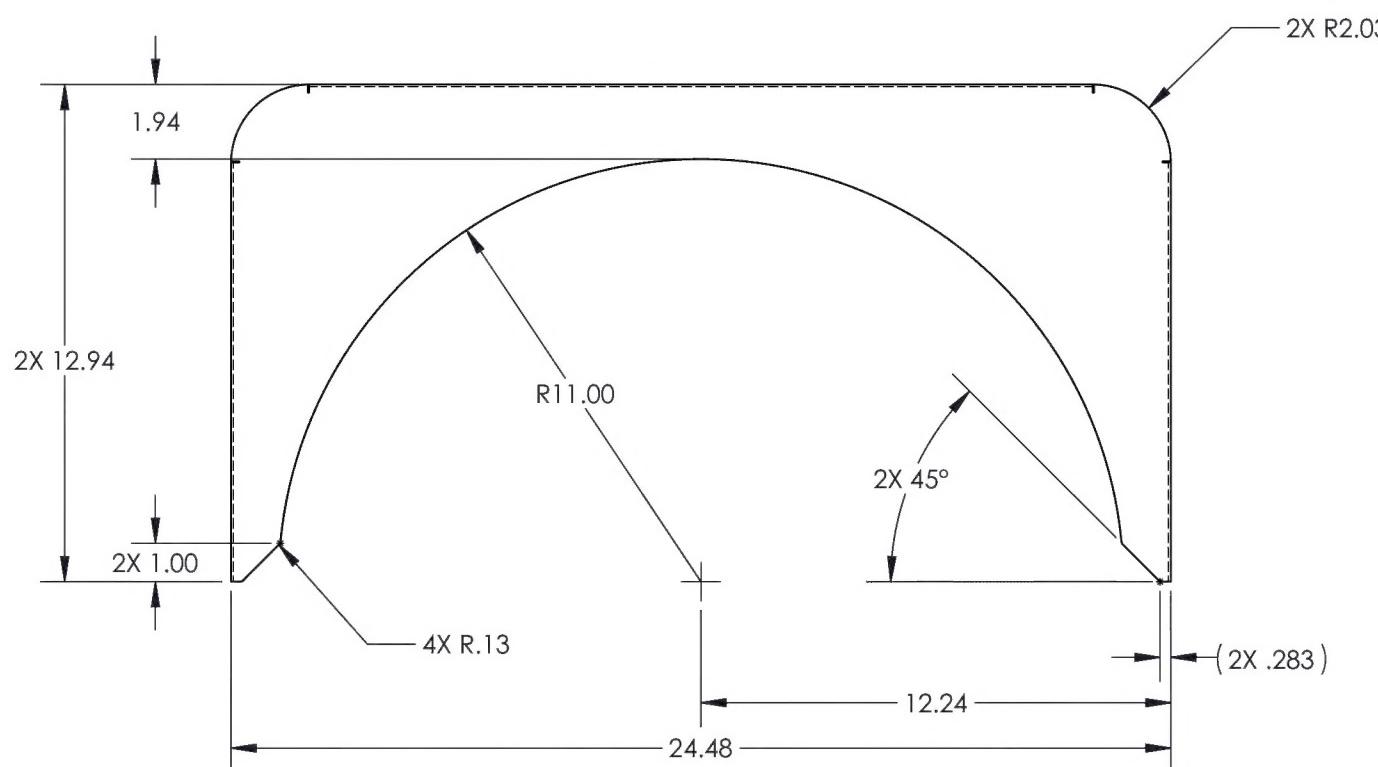
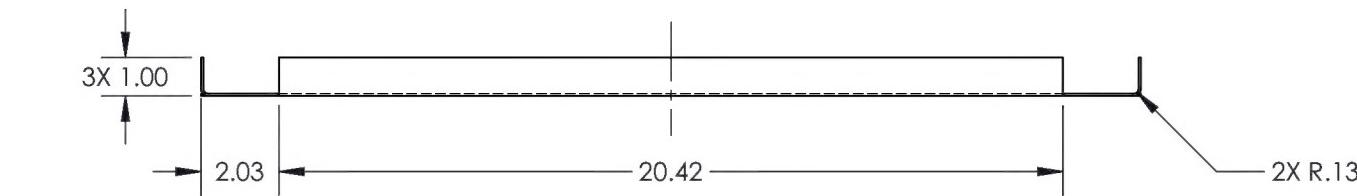
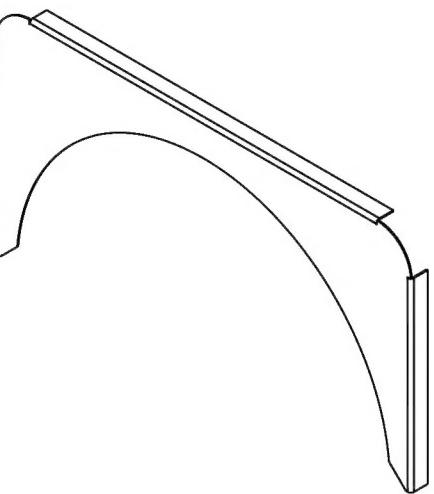
1. BREAK ALL SHARP EDGES
.015 x 45° OR. 015R
2. DIMENSIONAL LIMITS APPLY
AFTER PLATING
3. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009

USED ON MODEL

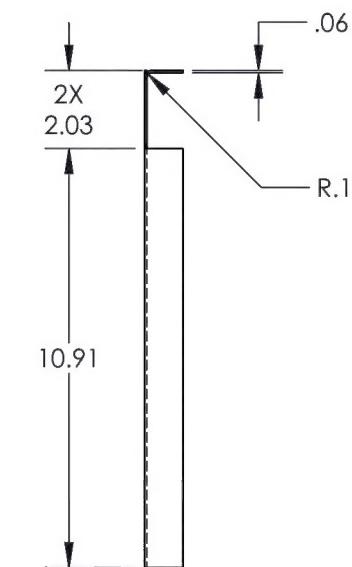
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REVISIONS		DESCRIPTION		DATE	INITIAL	APPROVED
REV 2	ECR 16-0217	-3	REDESIGNED TO BE WELDED. CH'D DIMS WAS R10.65 IS 11.00, WAS 12.66 IS 12.94.	11/17/2016	RJC	JAG



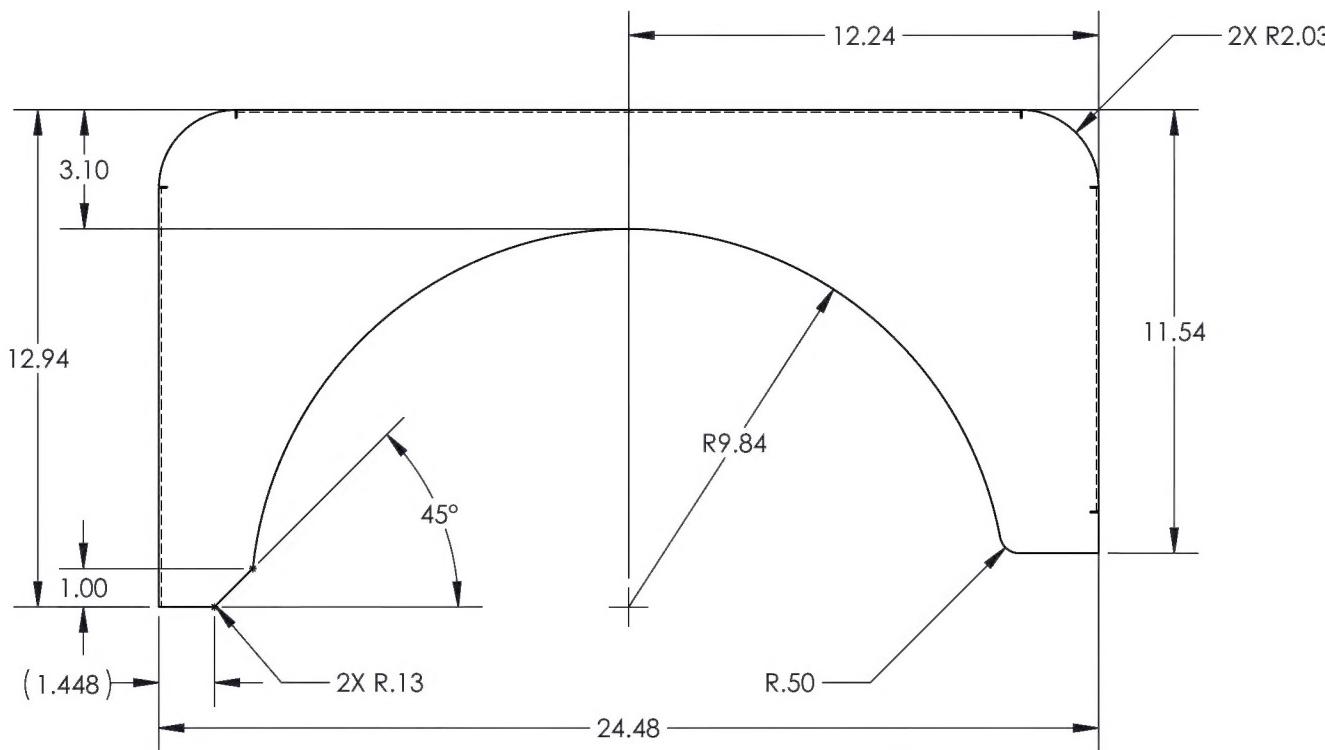
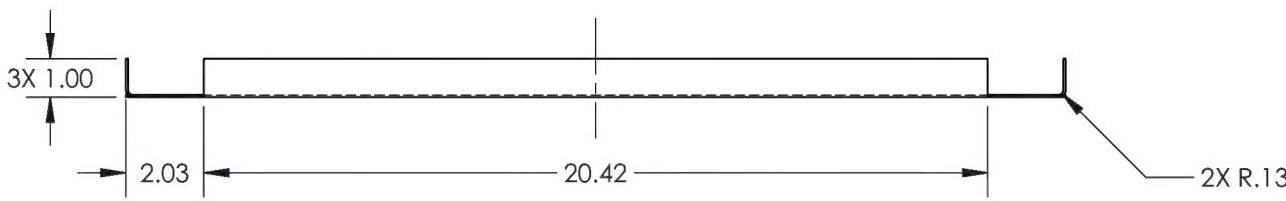
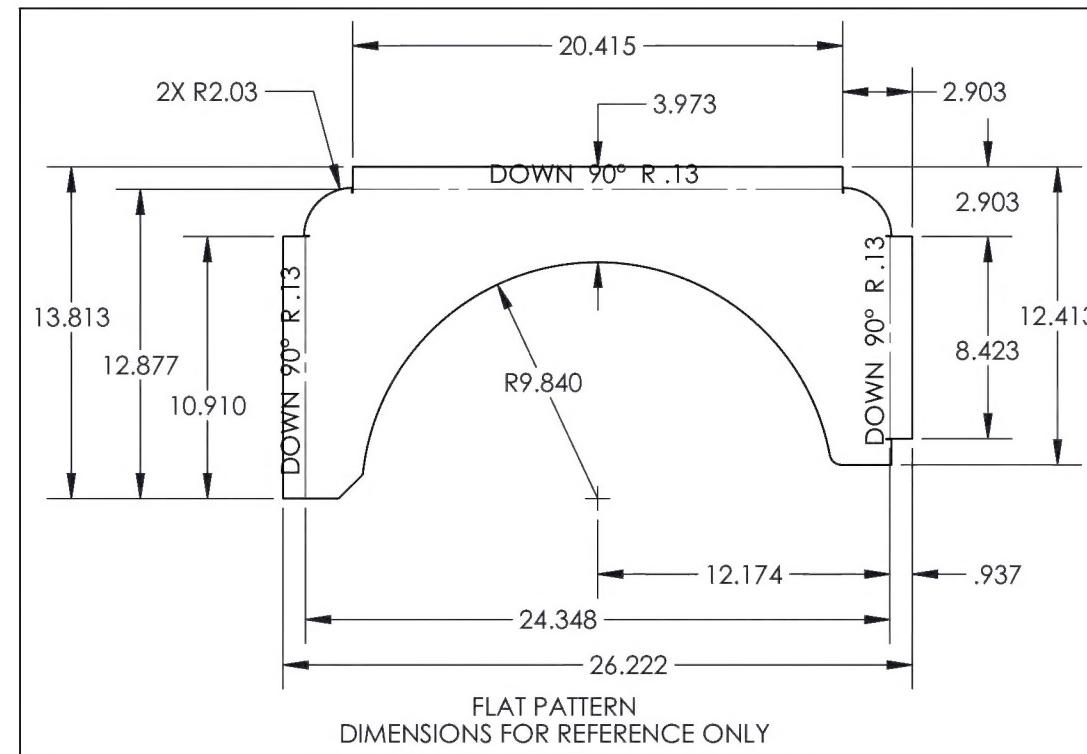
(3)
FRONT SHEET



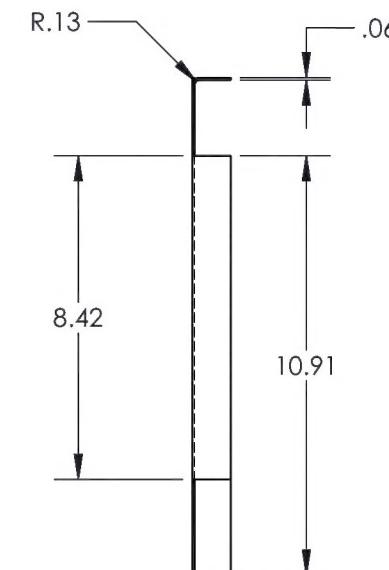
DART AEROSPACE	
TITLE	
ENGINE BLANK	
DWG NO. RBEM720V6000102-3 REV 2	
MATEL 5052 UNLESS OTHERWISE SPECIFIED HEAT FRACTIONS ARE IN INCHES TREAT .XXX ± .010 FRACTIONS ± 1/8 FINISH SEE -1 .XX ± .03 ANGLES ± 1° X ± .1 SURFACES = 125/ SPEC DRAWN BY: CLOUGH CHECKED: DUERFELDT OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT USED ON MODEL H175	
SCALE 1:5	DATE 11/10/2016
SHEET 3 OF 9	

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REVISIONS		DESCRIPTION	DATE	INITIAL	APPROVED
REV	ECR				
2	16-0217	-5 REDESIGNED TO BE WELDED. ADDED CUTOUT. CH'D DIMS WAS 9.49 IS 9.84, WAS 12.66 IS 12.94.	11/17/2016	RJC	JAG



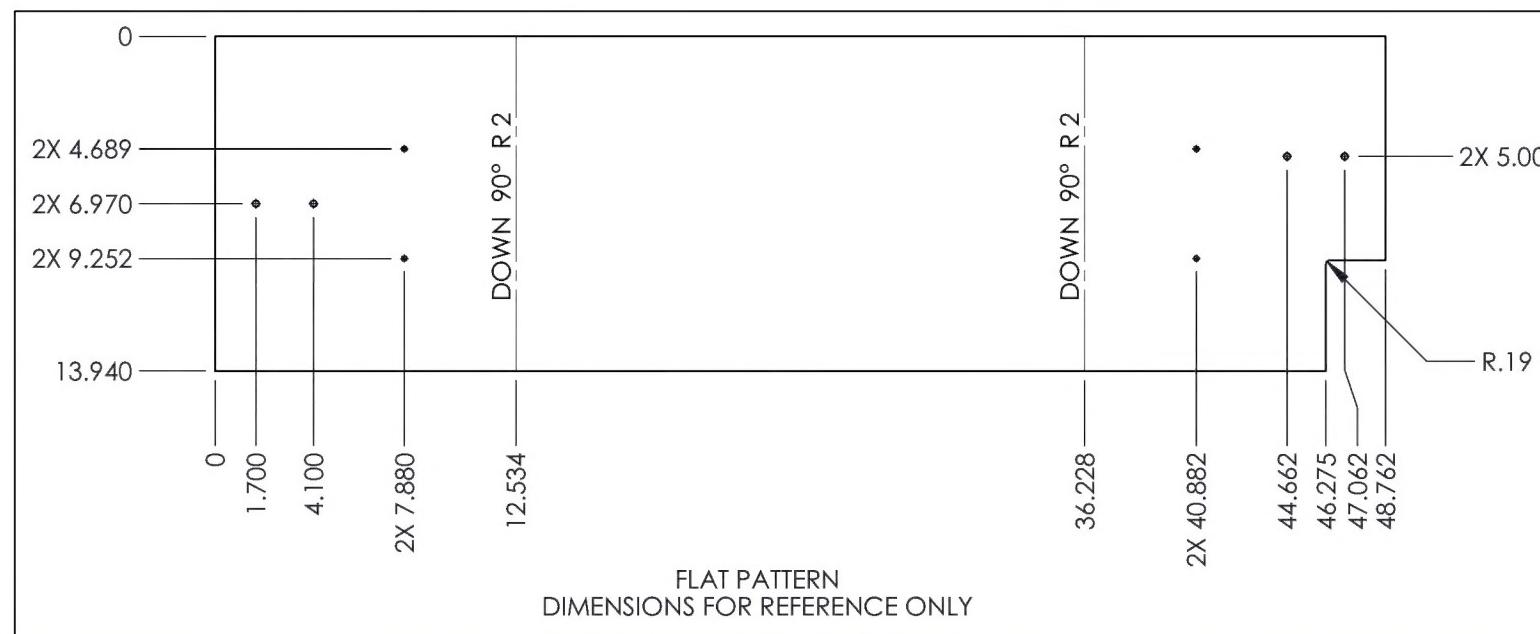
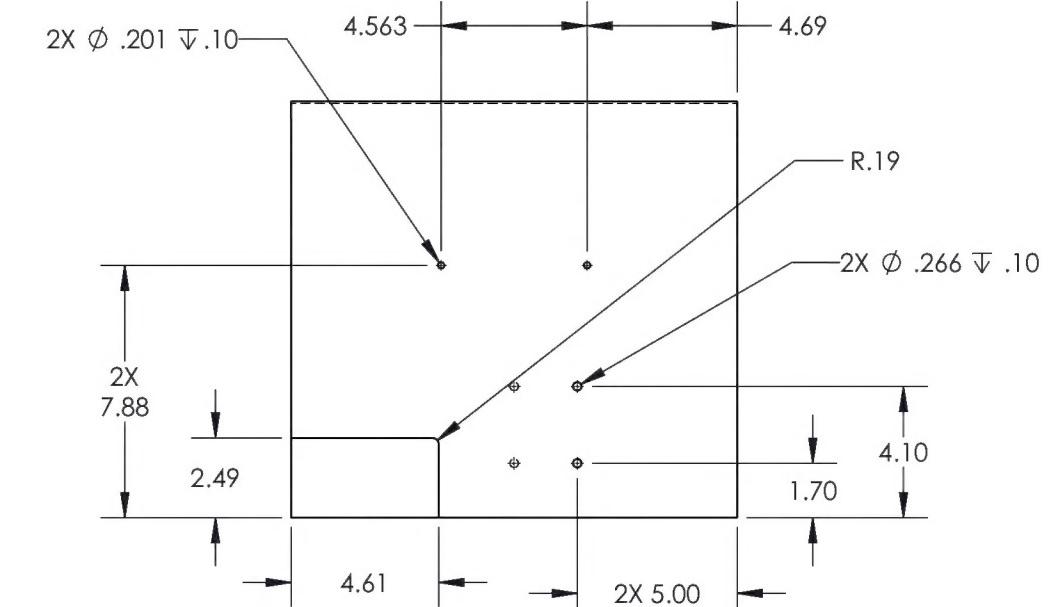
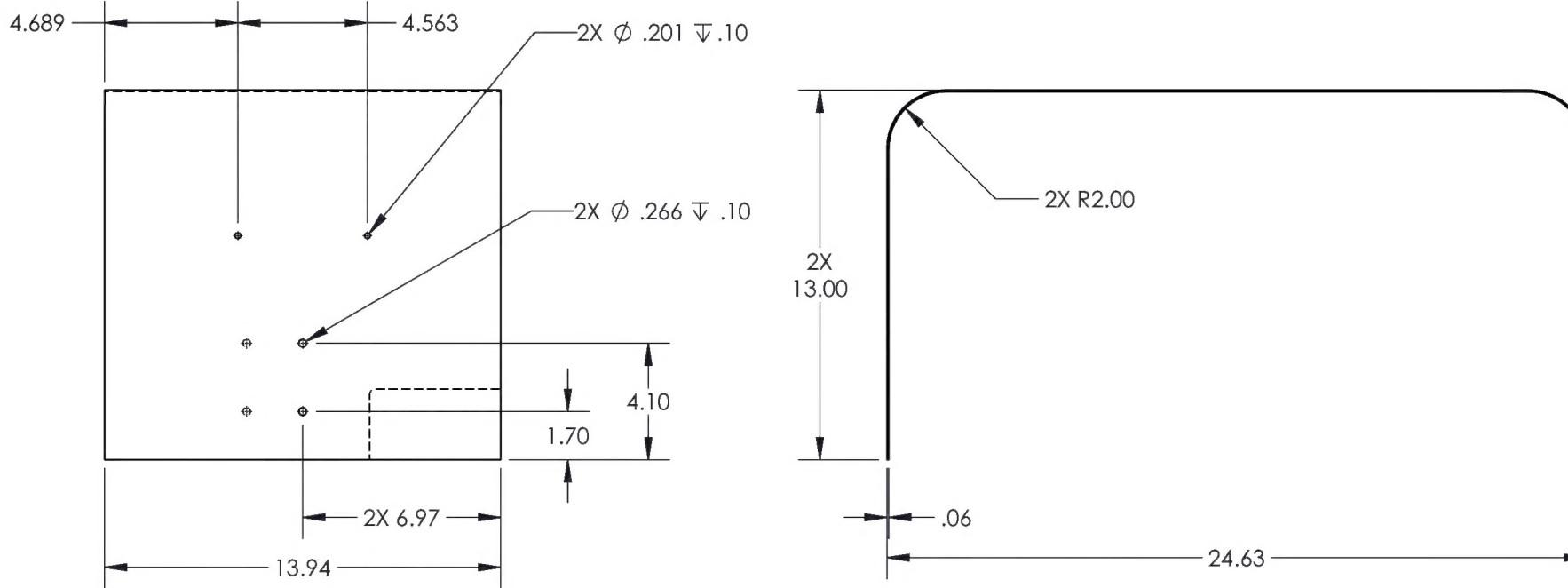
BACK SHEET



DART AEROSPACE	
TITLE	
ENGINE BLANK	
DWG NO. RBEM720V6000102-5 REV 2	
MATL 5052 UNLESS OTHERWISE SPECIFIED HEAT FRACTIONS ARE IN INCHES TREAT FRACTIONS ± 1/8 FINISH SEE -1 ANGLES ± 1° SPEC SURFACES = 125 DRAWN BY: CLOUGH CHECKED: DUERFELDT OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT USED ON MODEL H175	
SCALE 1:5	DATE 11/10/2016
SHEET 4 OF 9	

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REVISIONS		DESCRIPTION		DATE	INITIAL	APPROVED
REV	ECR					
2	16-0217	-7	REDESIGNED TO BE WELDED.		11/17/2016	RJC JAG

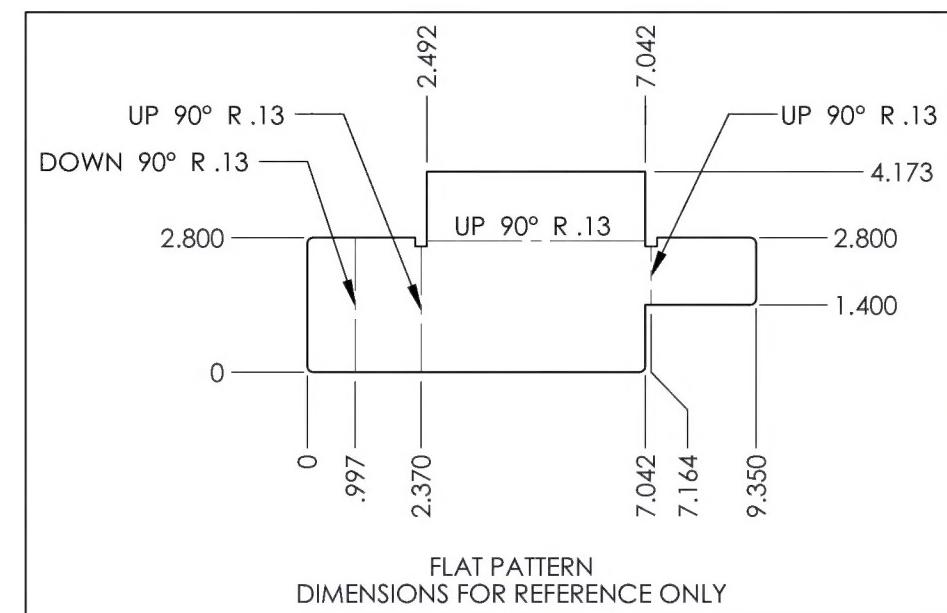
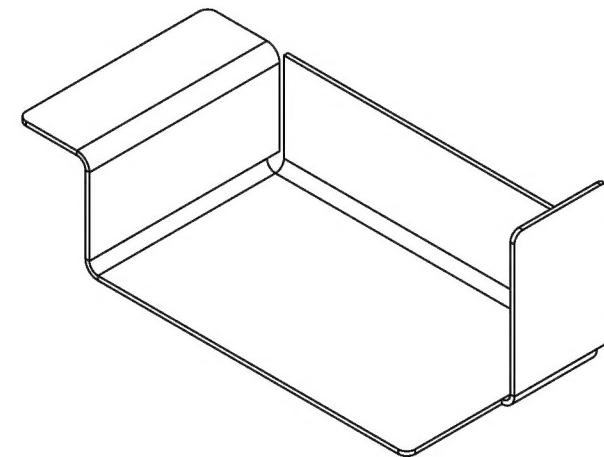
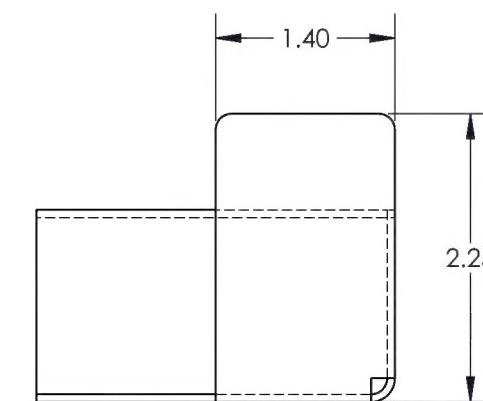
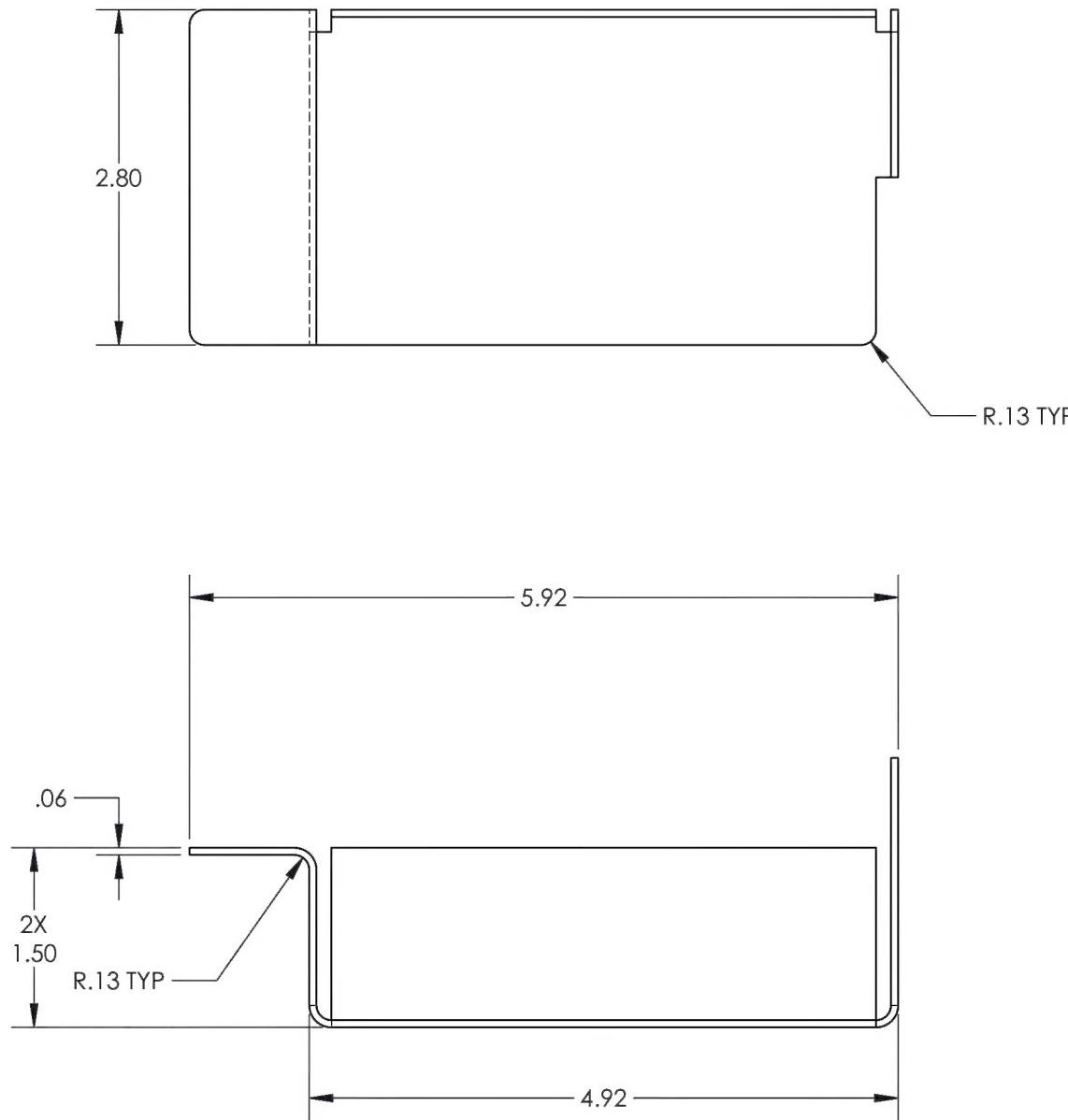


(-7)
TOP SHEET

DART AEROSPACE	
TITLE	
DWG NO. RBE720V6000102-7	
REV 2	
MATERIAL 5052 UNLESS OTHERWISE SPECIFIED	
HEAT TREAT FRACTIONS ± 1/8	
FINISH SEE -1 ANGLES ± 1°	
SPEC SURFACES = 125	
DRAWN BY: CLOUGH .015 x 45° OR. 015R	
CHECKED: DUERFELDT 2. DIMENSIONAL LIMITS APPLY	
OPPS APPR: ANDERSON AFTER PLATING	
QA APPR: LINDSAY 3. INTERPRET DIM AND TOL PER	
APPROVED: GILBERT ASME Y14.5M-2009	
SCALE 1:6	DATE 11/10/2016
SHEET 5 OF 9	

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REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
2	16-0217	-11 REDESIGNED TO BE WELDED. ADDED CUTOUT.	11/17/2016	RJC	JAG	



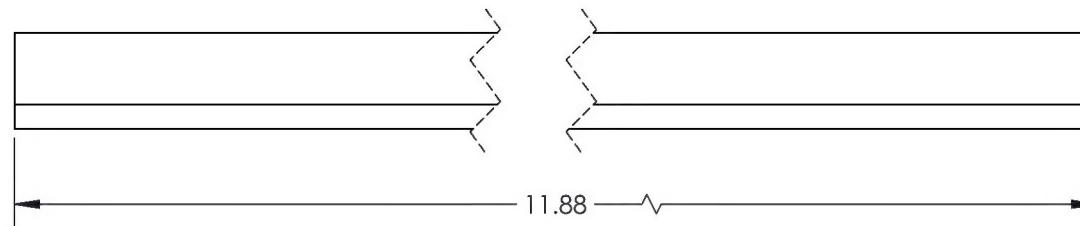
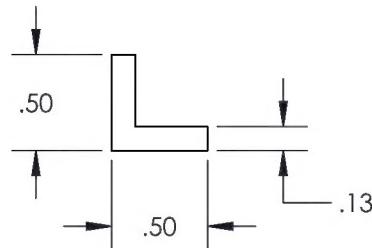
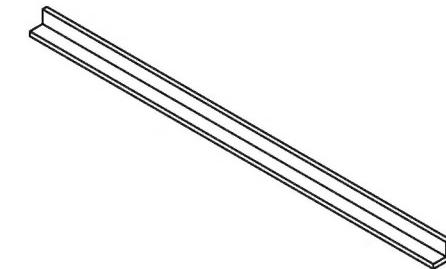
-11

BOX

DART AEROSPACE	
TITLE ENGINE BLANK	
DWG NO. RBEM720V6000102-11	
REV 2	
MAT'L 5052	
HEAT	
TREAT	
FINISH SEE -1	
SPEC	
DRAWN BY: CLOUGH	
CHECKED: DUERFELDT	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 2:3	DATE 11/10/2016
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° X ± .1 SURFACES = 125 1. BREAK ALL SHARP EDGES .015 IN X 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL H175	
SHEET 6 OF 9	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0217	-15 REDESIGNED TO BE WELDED. WAS FORMED IN ANGLE STOCK.	11/17/2016	RJC	JAG



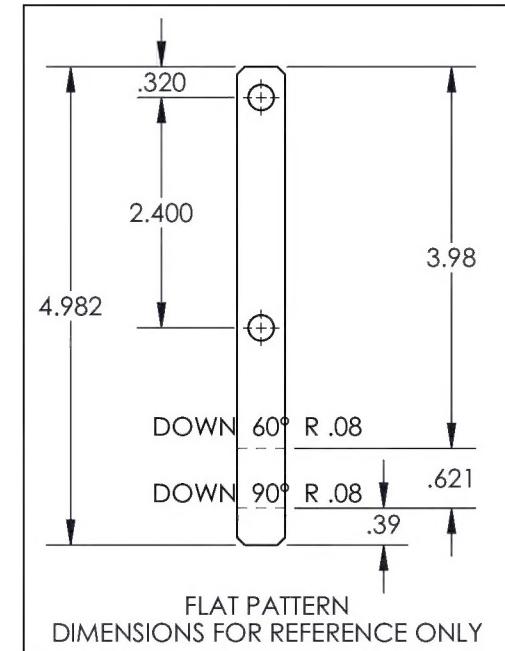
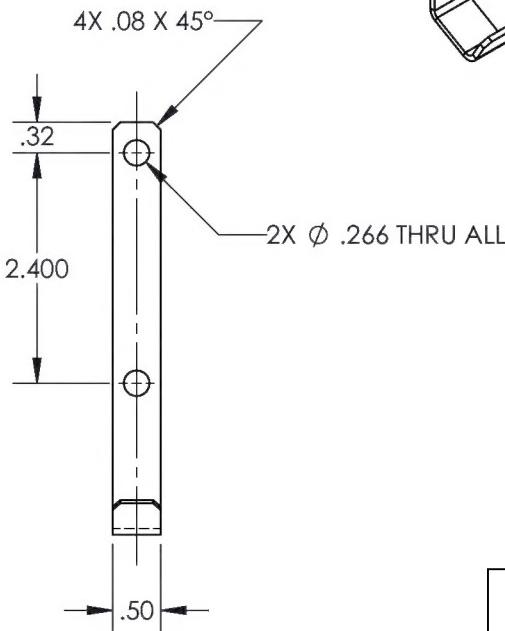
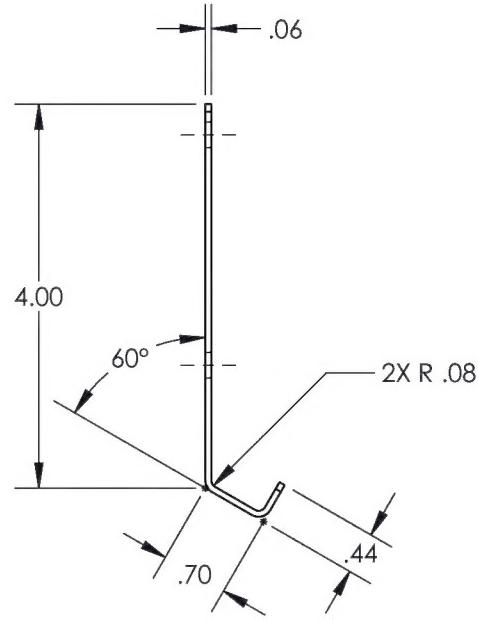
(-15)

STIFFENER

DART AEROSPACE	
TITLE	
ENGINE BLANK	
DWG NO.	RBEM720V6000102-15
REV	2
MAT'L 6063	
HEAT	
TREAT	
FINISH SEE -1	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
H175	
SCALE	1:1
DATE	11/10/2016
SHEET 7 OF 9	

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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(-17)

HOOK

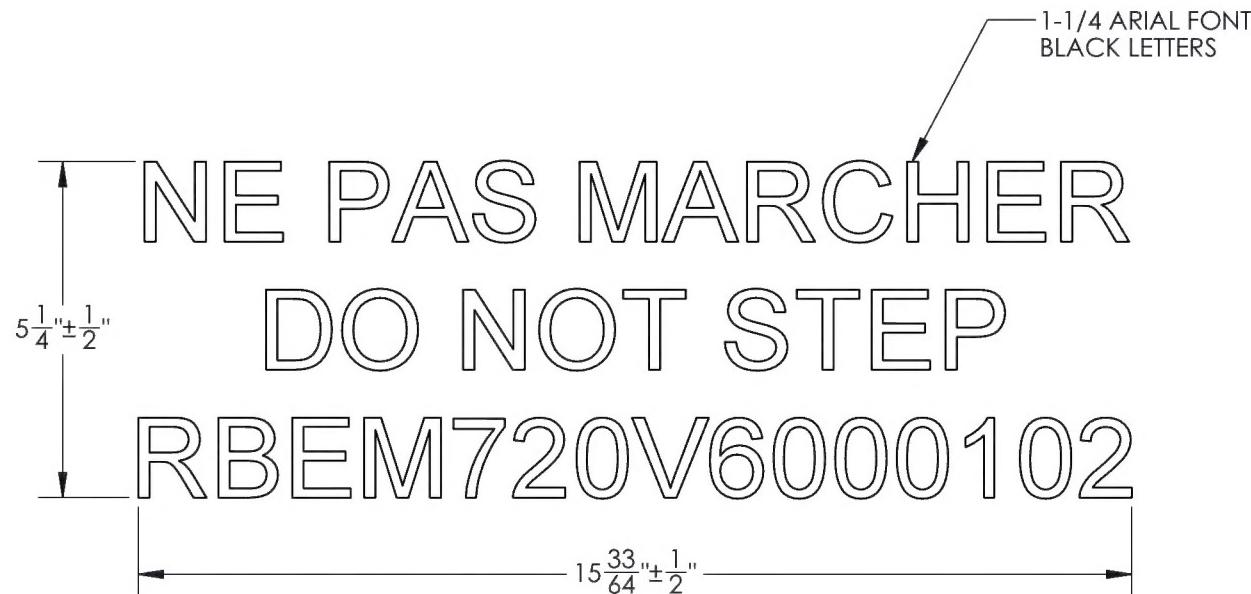
DART AEROSPACE	
TITLE ENGINE BLANK	
DWG NO. RBEM720V6000102-17	
REV 2	
MAT'L 5052	
HEAT	
TREAT	
FINISH CLEAR ANODIZE	
SPEC MIL-A-8625, TYPE II, CLASS I	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
H175	
SCALE 1:2	DATE 12/15/2015
SHEET 8 OF 9	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .010 FRACTIONS ± 1/8
.XX ± .03 ANGLES ± 1°
X ± .1 SURFACES = 125 ✓

1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY
AFTER PLATING
3. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0217	-31 CH'D DIMS WAS 5.25 IS 5-1/24" ±1/2", WAS 15.16 IS 15-33/64" ±1/2".	11/10/2016	RJC	JAG



DART AEROSPACE	
TITLE	
ENGINE BLANK	
DWG NO.	RBEM720V6000102-31
REV	2
MATERIAL: BLACK VINYL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125
SPEC	✓
DRAWN BY: CLOUGH	
CHECKED: DUERFELDT	
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:3
DATE	12/15/2015
SHEET 9 OF 9	

(-31)

EMBLEM